

Fig. 1 Transmitter

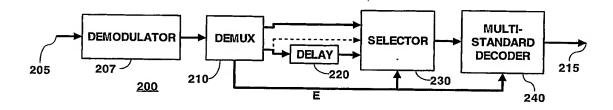


Fig. 2 Receiver

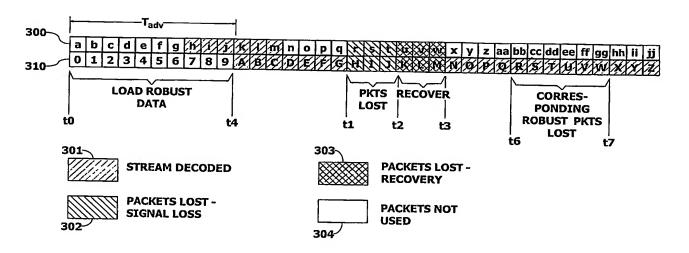


Fig. 3 Packet Streams

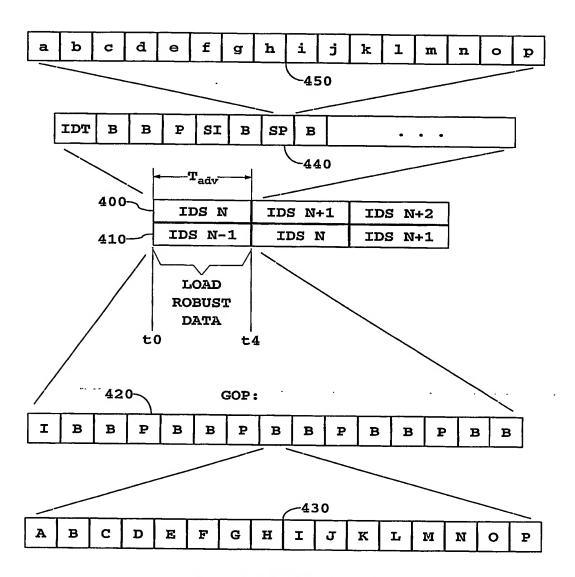
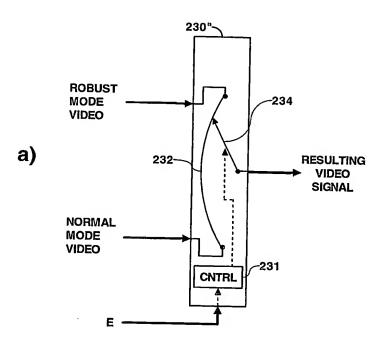


Fig. 4 GOP Streams



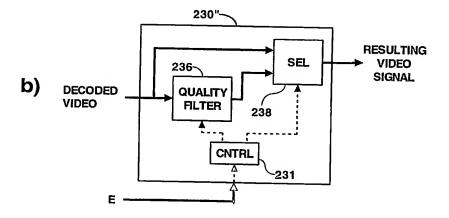


Fig. 5 Smoothing selector

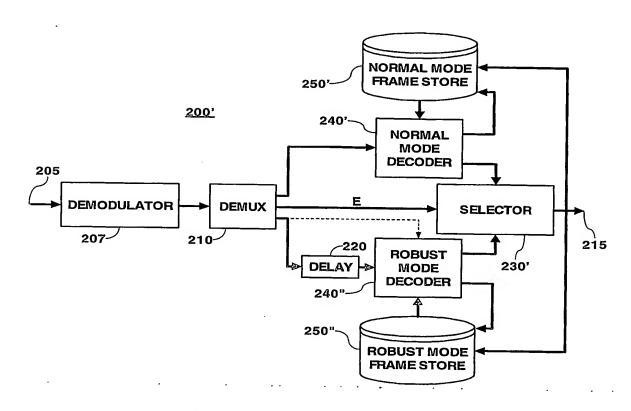


Fig. 6 Picture layer receiver

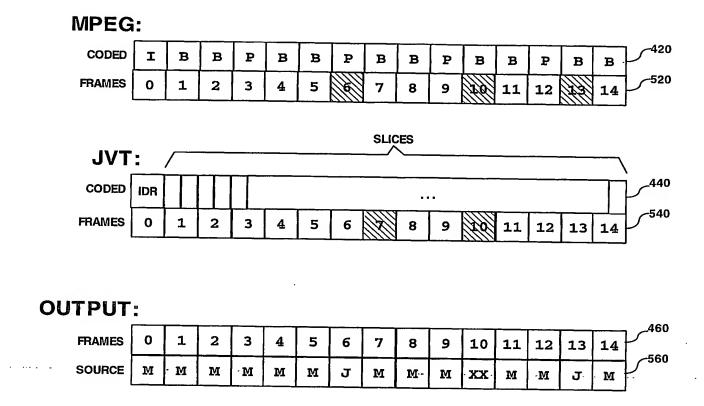
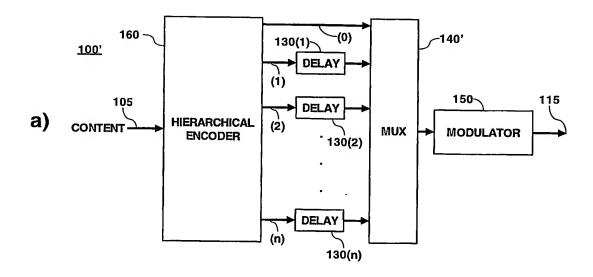


Fig. 7 Picture layer streams

Number_of Robust_simulcast_channels	802	up to 256 channels supported	8 bit unit
For (i=0;l <number_of_robust_simulcast_channels;< td=""><td>++){</td><td>The to 200 Granners supported</td><td>o bit unit</td></number_of_robust_simulcast_channels;<>	++){	The to 200 Granners supported	o bit unit
Robust_Mode_PID	804	Identifies this channel in the TS	16 bit unit
Simulcast_data_type	806	0 = video	2 bit unit
		1 = audio	2 bit unit
		2 = data	
lf(Simulcast_data_type_=_0){	812		<del> </del>
Robust_Mode_video_compression_format		0 = ATSC MPEG2 MP@HL	6 bit unit
		1 = JVT MP@level	O Dit unit
		all others reserved_for_future_use	İ
Robust_Mode_video_frame_rate		Frame rate in frames per second	7 bit unit
Robust_Mode_video_frame_interlaced		If O then progressive, else interlaced	1 bit unit
Robust_Mode_video_frame_horz		Horizontal frame resolution	16 bit unit
Robust_Mode_vjdeo_frame_vert		Vertical frame resolution	16 bit unit
Robust_Mode_video_frame_bitrate		Video elementary stream bit rate in bps	32 bit unit
Eise	<u>814</u>		
Robust_Mode_audio_compression_format		0 ATSC AC-3	6 bit unit
		1 MP3pro	
Dobuga Adada and a da		all others reserved	
Robust_Mode_audio_bitrate		Audio elementary bit rate in bps	24 bit unit
Robust_Mode_audio_sample_rate		Audio sample rate in Ksamples per sec	8 bit unit
Robust_Mode_audio_mode		0 5.1 channels	8 bit unit
		1.2 channel	i
		others	
Normal_mode_simulcast_PID		DID (ii)	
Nomai_mode_simulcast_PiD	<u>808</u>	PID of the normal channel which this robust	16 bit unit
Robust_to_Normal_delay offset	040	mode channel duplicates.	
rissas_to_rtormal_delay_driset	<u>810</u>	A 32 bit value in 90 KHZ clock cycles	32 bit ûnit
		indicating the delay from robust channel to the normal channel	
Robust_Mode_High_Quality	816	IF 0 THEN the receiver should use the	4 1-12 12
	210	normal channel if available ELSE the	1 bit unit
		broadcaster recommends use of the robust	
		channel instead of the normal channel	
} // end for loop robust channels		- Indiana Charles	
		<u> </u>	

Fig. 8 PSIP/VCT Table



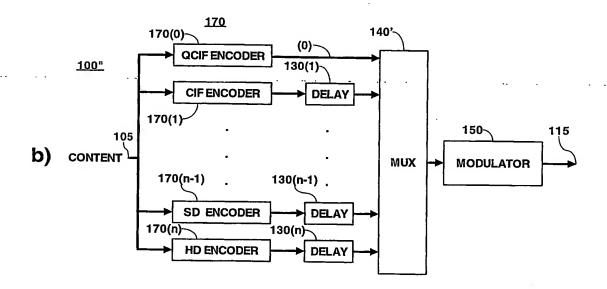
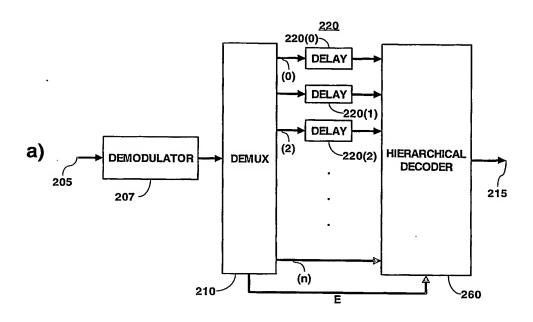
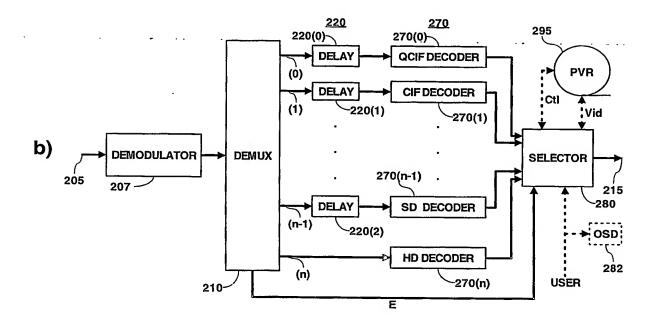


Fig. 9 Multiresolution transmitter





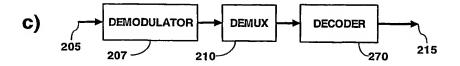


Fig. 10 Multiresolution receiver

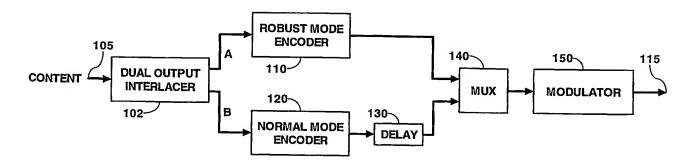


Fig. 11 Dual interlace transmitter

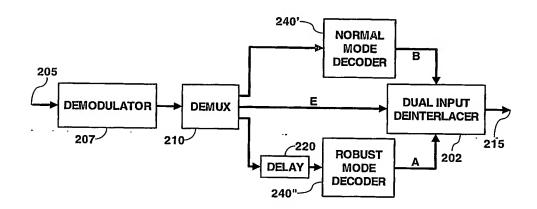


Fig. 12 Dual interlace receiver

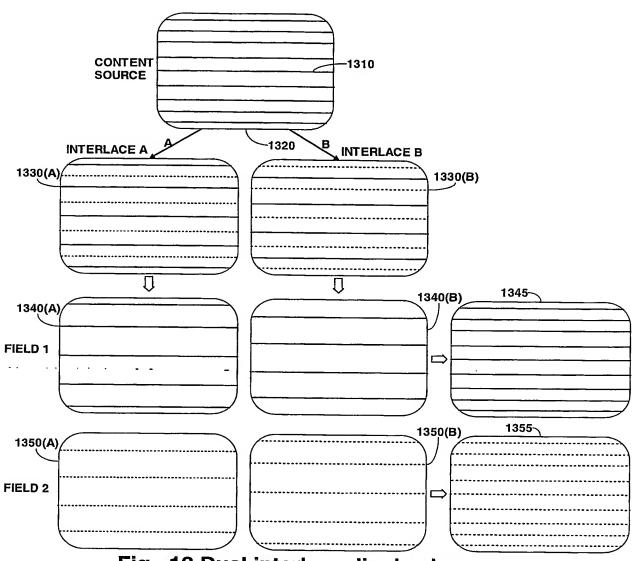


Fig. 13 Dual interlace display images